Smart Skies			
2004 Mathematics			
Curriculum Standards			
Kansas Mathematics			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Fly by Math	KS	MA.5.2.3.K5	plots and locates points for integers (positive and negative whole numbers) on a horizontal number line and vertical number line.
Fly by Math	KS	MA.5.2.4.K1.j	knows, explains, and uses mathematical models to represent mathematical concepts, procedures, and relationships. Mathematical models include (graphs using concrete objects, pictographs, frequency tables, bar graphs, line graphs, circle graphs, Venn diagrams, line plots, charts, tables, and single stem-and-leaf plots to organize and display data)
Fly by Math	KS	MA.5.3.4.K1	locates and plots points on a number line (vertical/horizontal) using integers (positive and negative whole numbers).
Line Up with Math	KS	MA.5.2.3.K5	plots and locates points for integers (positive and negative whole numbers) on a horizontal number line and vertical number line.
Smart Skies			
2004 Mathematics			
Curriculum Standards			
Kansas Mathematics			
Grade 6			
Activity/Lesson	**State**	**Standards**	
Fly by Math	KS	MA.6.2.4.K1.k	knows, explains, and uses mathematical models to represent mathematical concepts, procedures, and relationships. Mathematical models include (Venn diagrams to sort data and to show relationships)
Fly by Math	KS	MA.6.4.2.K1.c	organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (bar, line, and circle graphs)
Fly by Math	KS	MA.6.4.2.K1.e	organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (charts and tables)
Smart Skies			
2004 Mathematics			
Curriculum Standards			
Kansas Mathematics			
Grade 7			

Activity/Lesson	State	Standards	
Fly by Math	KS	MA.7.2.4.K1.j	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (frequency tables, bar graphs, line graphs, circle graphs, Venn diagrams, charts, tables, single stem-and-leaf plots, scatter plots, and box-and-whisker plots to organize and display data)
Fly by Math	KS	MA.7.4.2.K1.b	organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (bar, line, and circle graphs)
Fly by Math	KS	MA.7.4.2.K1.d	organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (charts and tables)
Smart Skies			
2004 Mathematics			
Curriculum Standards			
Kansas Mathematics			
Grade 8			
Activity/Lesson	**State**	**Standards**	
Fly by Math	KS	MA.8.2.3.K3	explains the concepts of slope and x- and y-intercepts of a line.
Fly by Math	KS	MA.8.2.4.K1.k	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (frequency tables, bar graphs, line graphs, circle graphs, Venn diagrams, charts, tables, single and double stem-and-leaf plots, scatter plots, box-and-whisker plots, and histograms to organize and display data)
Fly by Math	KS	MA.8.4.2.K1.b	organizes, displays and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (bar, line, and circle graphs)
Fly by Math	KS	MA.8.4.2.K1.d	organizes, displays and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (charts and tables)
Line Up with Math	KS	MA.8.2.3.K3	explains the concepts of slope and x- and y-intercepts of a line.

| Line Up with Math | KS | MA.8.3.4.K1.d | uses the coordinate plane to determine the length of a side of a figure drawn on a coordinate plane with vertices having the same x- or y-coordinates |
| | | | |

Smart Skies
2004 Mathematics
Curriculum Standards

Kansas Mathematics			
Grades 9-10			
Activity/Lesson	State	Standards	
Fly by Math	KS	MA.9-10.2.4.K1.l	knows, explains, and uses mathematical models to represent and explain mathematical concepts, procedures, and relationships. Mathematical models include (frequency tables, bar graphs, line graphs, circle graphs, Venn diagrams, charts, tables, single and double stem-and-leaf plots, scatter plots, box-and-whisker plots, histograms, and matrices to organize and display data)
Fly by Math	KS	MA.9-10.4.2.K1.b	organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (bar, line, and circle graphs)
Fly by Math	KS	MA.9-10.4.2.K1.d	organizes, displays, and reads quantitative (numerical) and qualitative (non-numerical) data in a clear, organized, and accurate manner including a title, labels, categories, and rational number intervals using these data displays (charts and tables)
Line Up with Math	KS	MA.9-10.3.4.K5	uses the Pythagorean Theorem to find distance (may use the distance formula).